



PROFESSOR ARTO SALOMAA

## PREFACE

This special issue on cryptology is dedicated to Professor Arto Salomaa on the occasion of his 65th birthday. Arto is a renowned scientist in several fields, including logic, formal language theory, automaton theory, and cryptology. His contributions in cryptology include public-key cryptosystems based on language theory, cryptographic protocols, knapsack problems, stream ciphers, and cooperative hashing. For details of Arto's life and scientific achievements, the reader is invited to read the article "A Short Biography of Arto Salomaa" by Professor Juhani Karhumäki, included in this special issue. We wish Arto a lot of success in the years to come, not only in the world of science, but also in his other spheres of interest.

This special issue consists of nine technical contributions on cryptology and one article about Arto Salomaa. The two contributions by L. M. Adleman and M.-D. A. Huang and by M.-D. A. Huang and C. Xing were received in October 1997, and the other contributions were received in March and April 1998. I thank all referees for their detailed and speedy reviews, and all authors for their contributions. I am very grateful to Professor Albert R. Meyer for giving me the opportunity to guest-edit this journal special issue.

Above all I thank Arto for his role as advisor, collaborator, and friend.

Cunsheng Ding

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